

Purpose

The Seattle District's Water Management Section of the Technical Services Branch conducts water quality monitoring at district projects and within district waters through its water quality management program.

Objectives and Goals

The water quality program,

- Defines baseline water quality and sediment conditions
- Performs water quality monitoring and assessment
- Provides real-time data for project regulation
- Develops and implements water quality solutions
- Coordinates with government and non-governmental entities
- Ensures project compliance through reporting on Total Maximum Daily Load (TMDL) and water quality conditions
- Evaluates water/sediment interactions

To meet these objectives and goals, the Seattle District Water Management Section designs and implements water quality monitoring and sampling programs at Seattle District projects. It routinely collects water quality data and assesses project impacts on water quality. It implements special studies and research and coordinates monitoring efforts with local, state, tribal, and federal agencies. On an individual project basis, it measures pertinent chemical and biological parameters including conventional nutrients, metals, phytoplankton, and zooplankton.

Projects and Geography

The Seattle District covers most of Washington, northern Idaho, and northwestern Montana. The water quality program is active at the following projects:

- [Chief Joseph Dam and Lake Rufus Woods](#): Columbia River, Washington

- [Libby Dam and Lake Koocanusa](#): Kootenai River, Montana
- [Albeni Falls Dam and Lake Pend Oreille](#): Pend Oreille River, Idaho
- [Howard Hanson Dam and Eagle Gorge Reservoir](#): Green River, Washington
- [Mud Mountain Dam](#): White River, Washington
- [Hiram Chittenden Locks](#): Lake Washington Ship Canal, Washington.

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